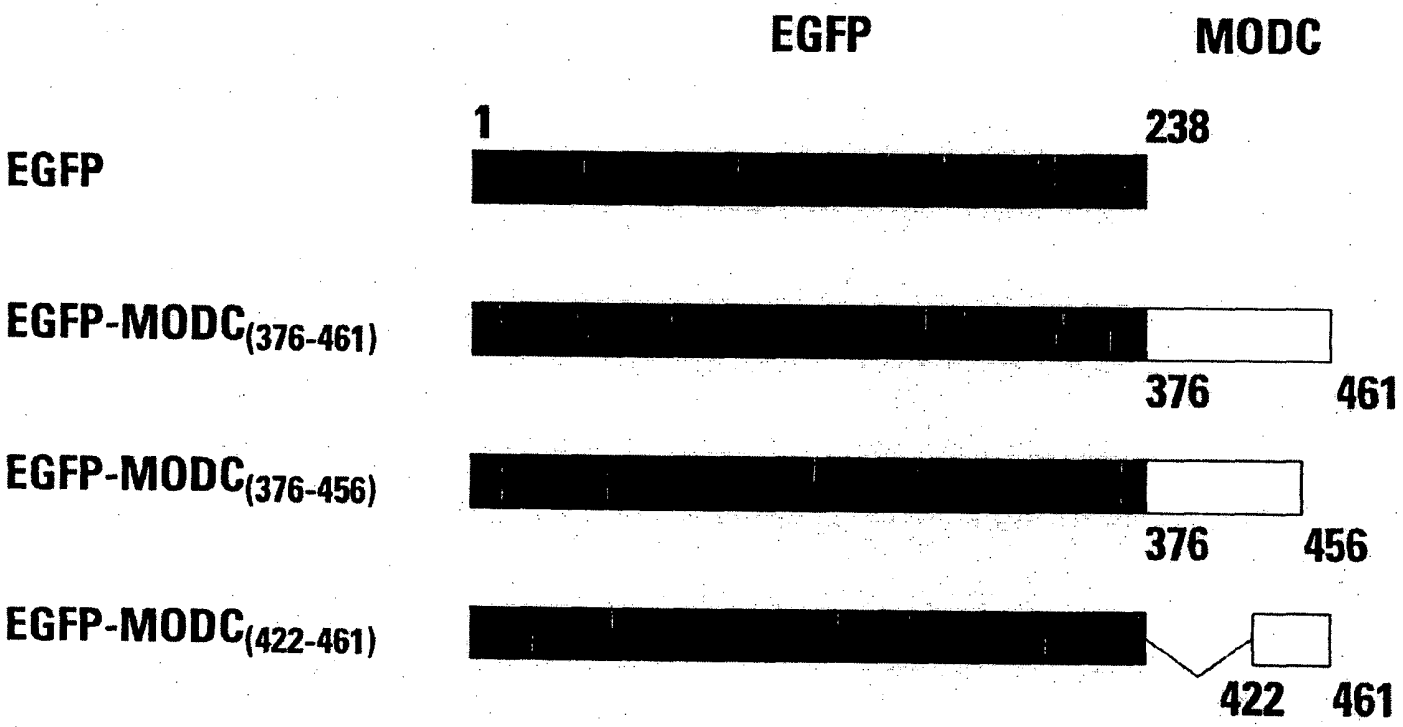


FIG. 1

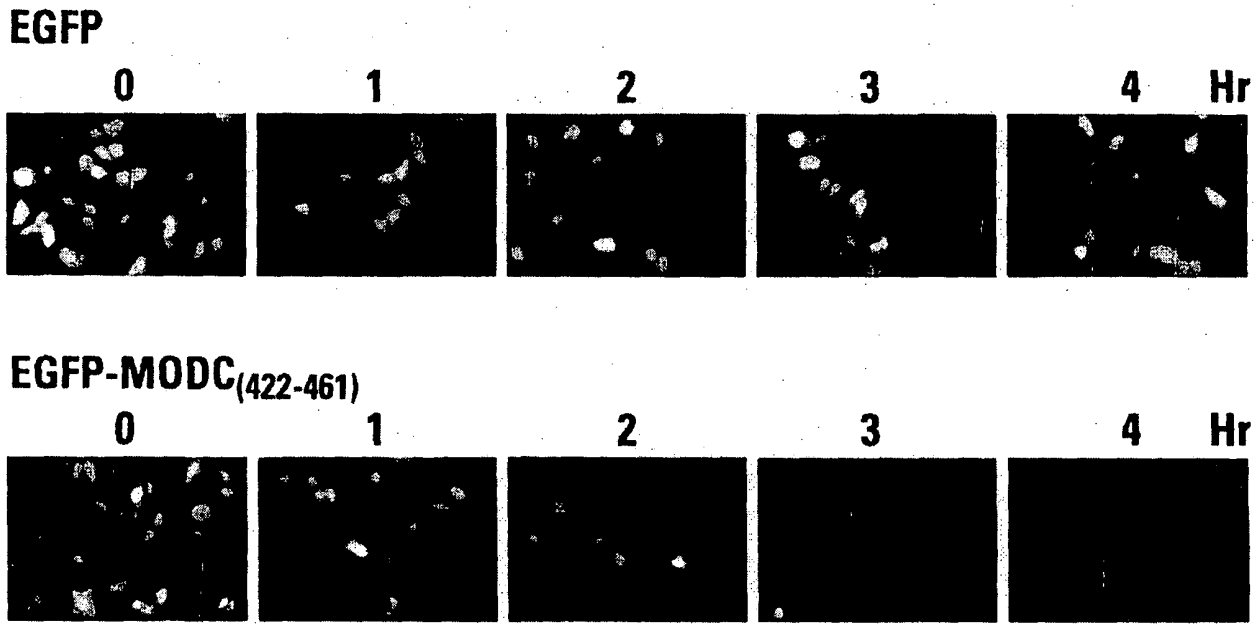


FIG. 2

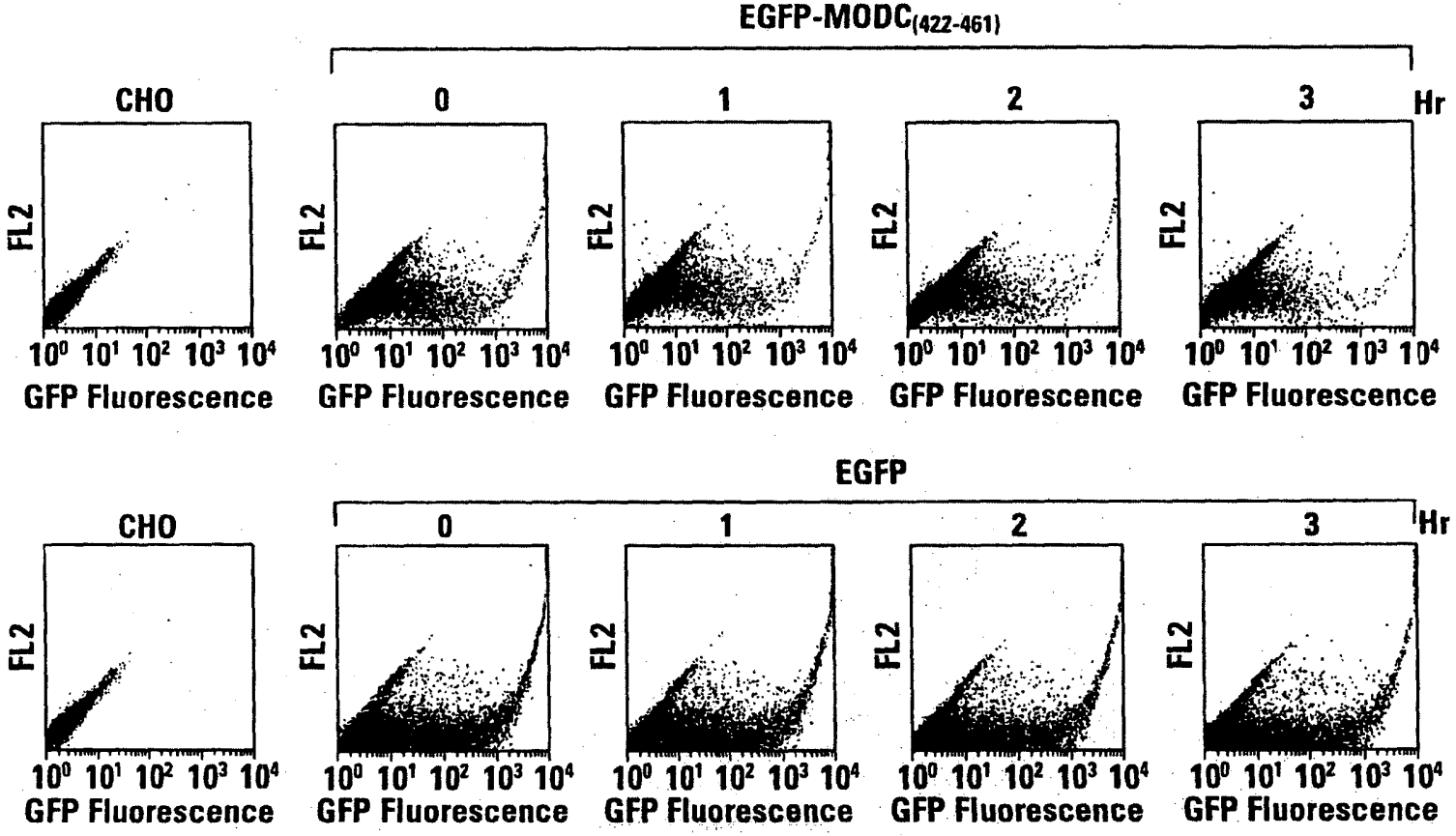

EGFP-MODC(422-461)
CHO
0
1
2
3
Hr
FL2
10⁰ 10¹ 10² 10³ 10⁴
GFP Fluorescence
EGFP
CHO
0
1
2
3
Hr
FL2
10⁰ 10¹ 10² 10³ 10⁴
GFP Fluorescence

FIG. 3

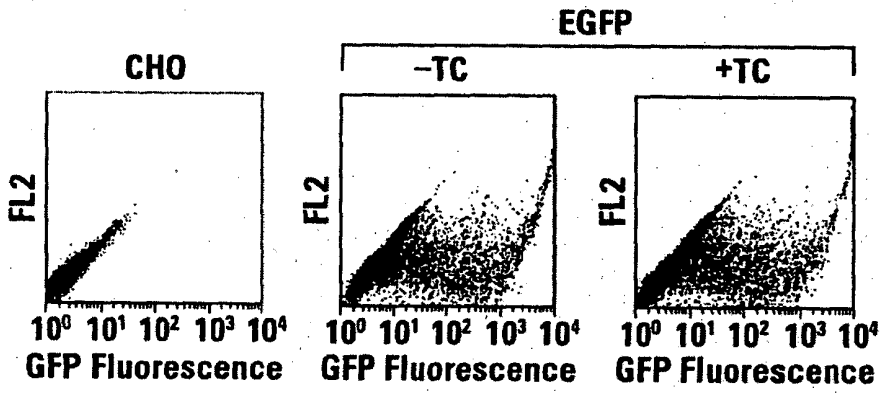

EGFP
CHO
-TC
+TC
FL2
FL2
FL2
10^0 10^1 10^2 10^3 10^4
10^0 10^1 10^2 10^3 10^4
10^0 10^1 10^2 10^3 10^4
GFP Fluorescence
GFP Fluorescence
GFP Fluorescence

FIG. 3 cont.

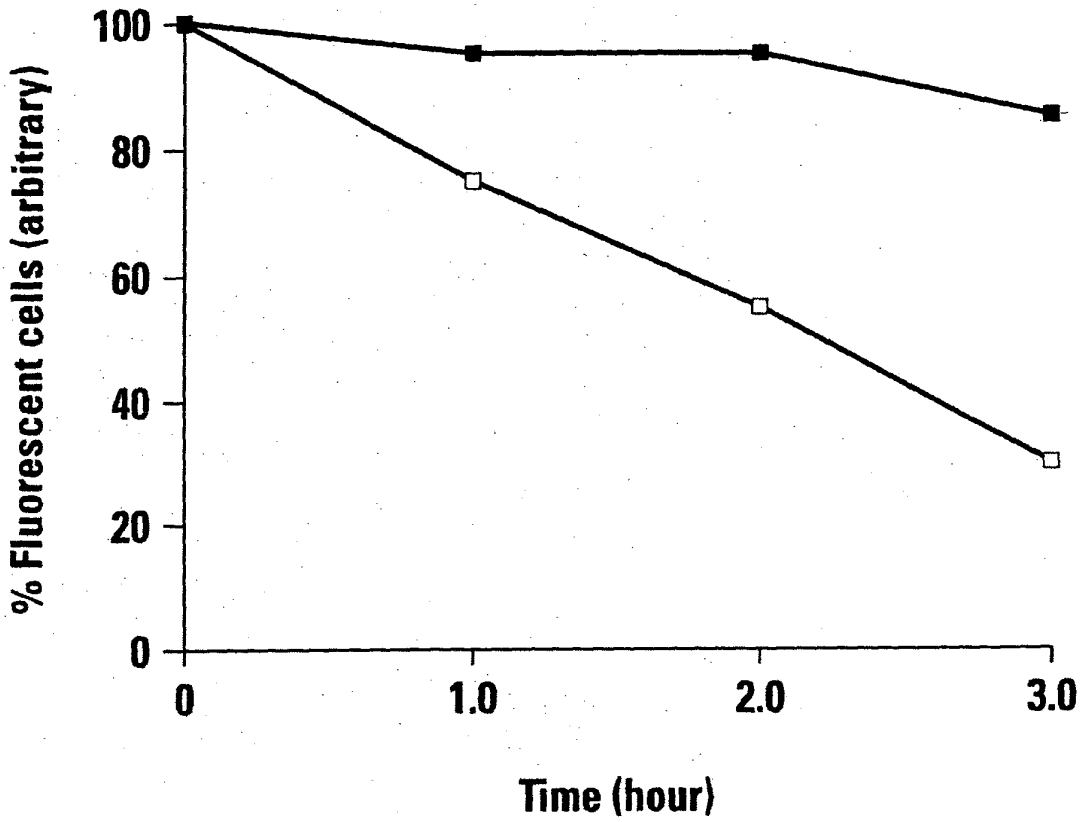


FIG. 4

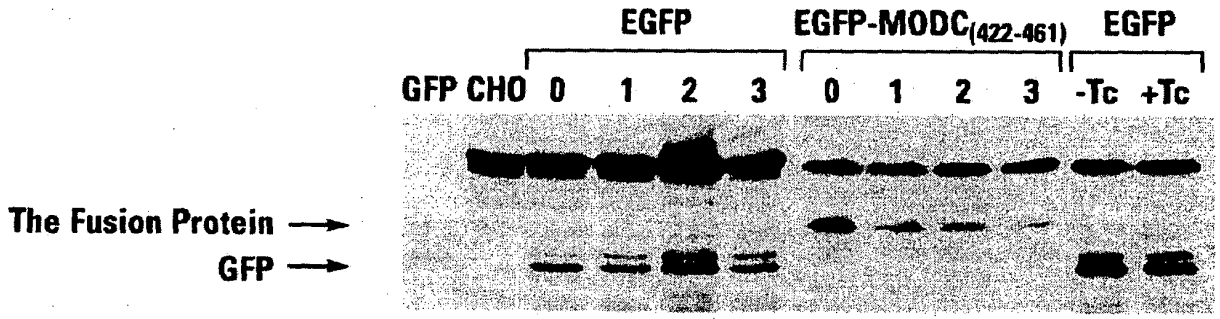


FIG. 5

PEST Sequence

	423	450	
EGFP-MODC$_{422-461}$	--**H**GF**PP**E**V**E**E**QDDGT**L**P**M**S**C**AQ**E**S**G**M**DRH**--		(SEQ ID NO. 3)
P426A/P427A	-----**AA**----------		
P438A	----------**A**----------		
E428A/E430A/E431A	-------**A**-**AA**----------		
E44A	----------**A**--------		
S440A	----------**A**----------		
S445A	----------**A**-------		
T436A	----------**A**----------		
D433A/D434A	----------**AA**----------		
D448A	----------**A**----		
H423A	--**A**----------		
R449A/H450A	----------**AA**--		

FIG. 6

FIG. 7

Table 1. FACS analysis of EGFP, EGFP-MODC $_{422-461}$, and mutations in transfected CHO K1 Tet-off cells.

Constructs	0h	(initial)	2h	4h
EGFP	100%	(63.6)	107%	92%
EGFP-MODC $_{422-461}$	100%	(12.6)	52%	29%
P426A/P427A	100%	(11.5)	39%	11%
P438A	100%	(34.1)	79%	60%
E428A/E430A/E431A	100%	(17.3)	20%	15%
E444A	100%	(12.6)	69%	65%
S440A	100%	(21.6)	78%	66%
S445A	100%	(23.5)	29%	20%
T436A	100%	(46.9)	70%	47%
D433A/D434A	100%	(11.31)	22%	6%
D448A	100%	(32.6)	30%	15%
H423A	100%	(12.2)	50%	25%
R449A/H450A	100%	(27.9)	93%	86%

Transfection was performed in CHO/tTA cells using the procedure as described in Methods. After 24 hours, cells were treated with CHx for 0, 2 and 4 hours, and analyzed for fluorescence intensity by FACS Caliber (Becton Dickinson). The fluorescent cells at each time point are represented as a percentage of initial.

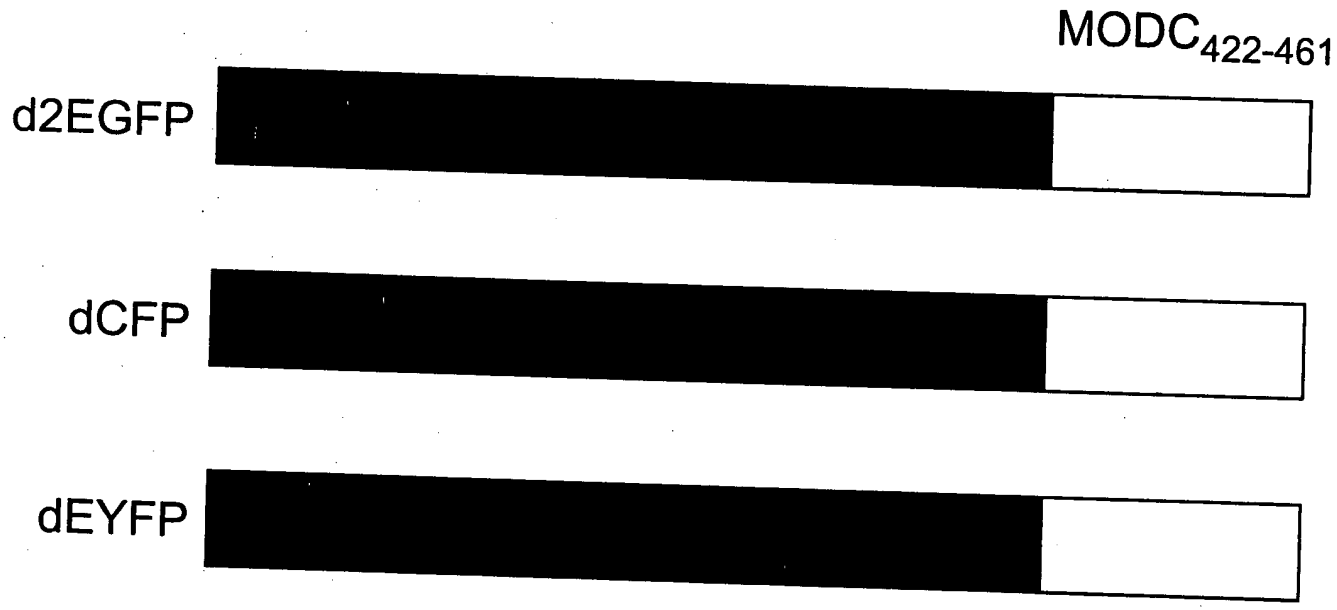
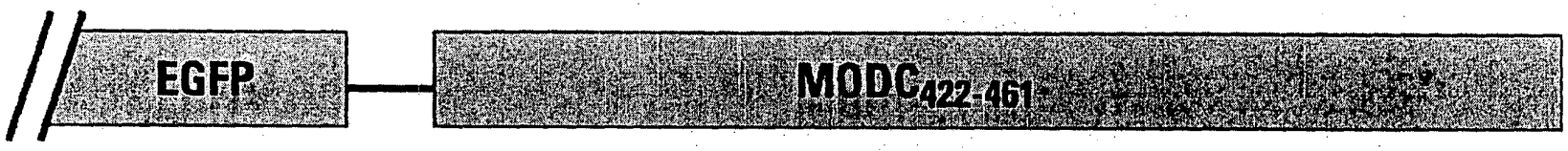


FIG. 8



PEST Sequence

423 450

d2EGFP:	EGFP-MODC$_{422-461}$	--HGFPPEVEEQDDGTLPMSCAQESGMDRH--
d1EGFP:	E428A/E430A/E431A	-------A-AA----------
d4EGFP:	T436A	----------A----------

FIG. 9

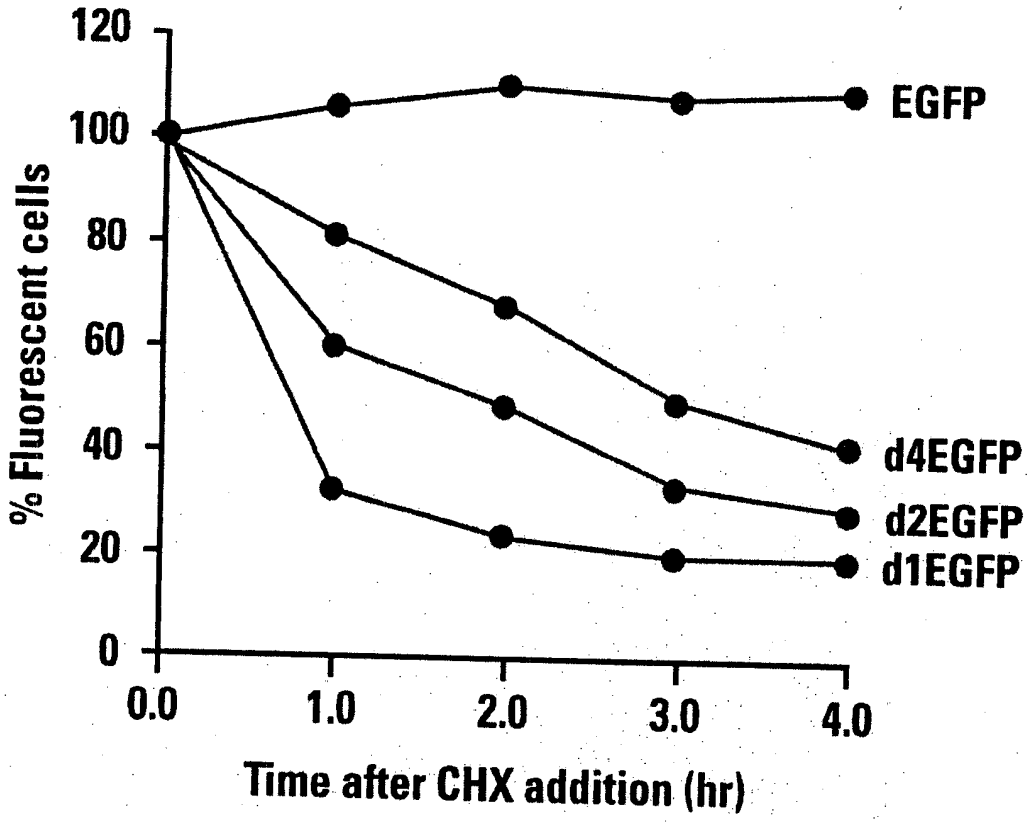

120
100
80
60
40
20
0
% Fluorescent cells
0.0
1.0
2.0
3.0
4.0
Time after CHX addition (hr)
EGFP
d4EGFP
d2EGFP
d1EGFP

FIG. 10

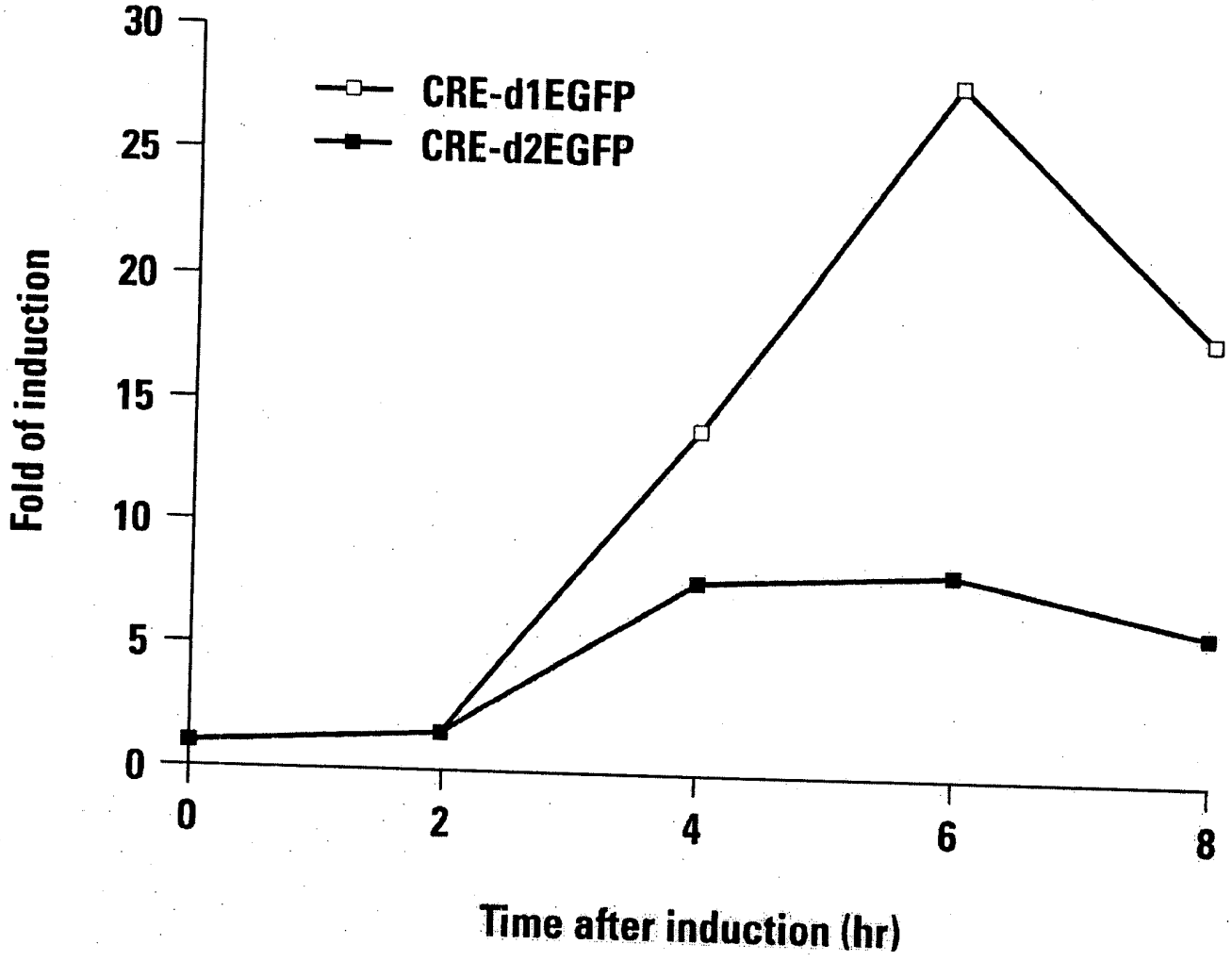

30
25
20
15
10
5
0
Fold of induction
CRE-d1EGFP
CRE-d2EGFP
0
2
4
6
8
Time after induction (hr)

FIG. 11